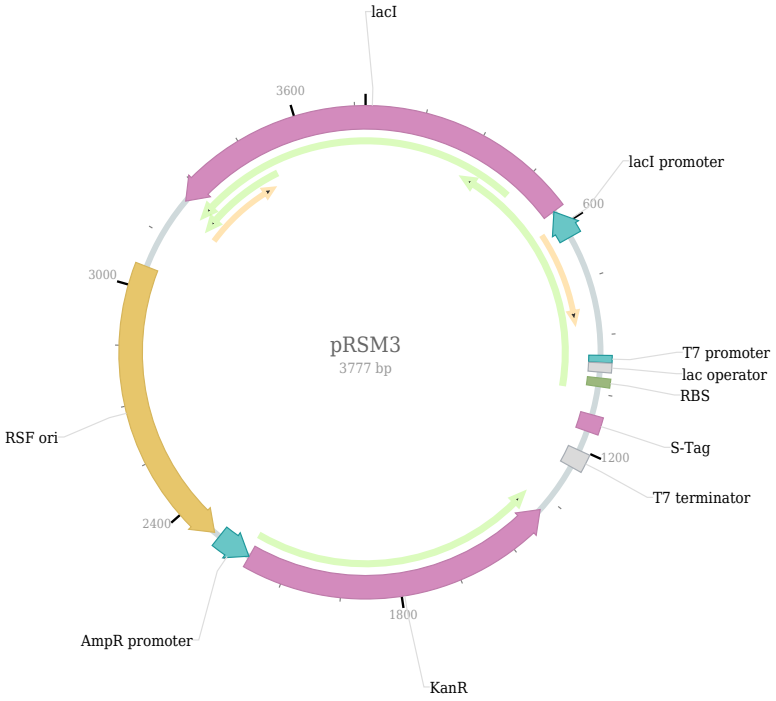
pRSM3

Vector ID	V047688
Antibiotic Resistance	Kanamycin
Length	3777 bp
Vector Type	Basic Cloning Vectors

Product Information

Replication Origin	RSF ori
Cloning Method	Restriction Enzyme
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	IPTG induced
Comment	pRSM3 is an ePathBrick vector derived from Duet plasmids for E. coli metabolic engineering. It features the T7 promoter, RSF1030 origin and kanamycin resistance. Compatible with BioBrick standards, it supports modular gene assembly and tunable gene expression.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.